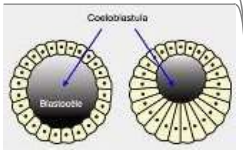
TYPES OF BLASTULA

COELOBLASTULA

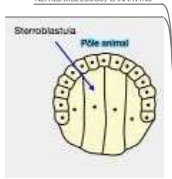
FROG/AMPHIOXUS/ECHINODERMS



BLASTODERM IS FORMED OF A SINGLE LAYER OF CELLS, BLASTOCOEL IS PRESENT WHICH IS FILLED WITH MUCOPOLYSACCHARIDES

STEREOBLASTULA

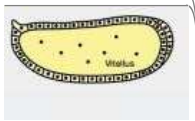
NERIES /MOLLUSCS/PLANARIANS



BLASTOCOEL IS ABSENT, SOLID BLASTULA

PERIBLASTULA / SUPERFICIAL BLASTULA

INSECTS

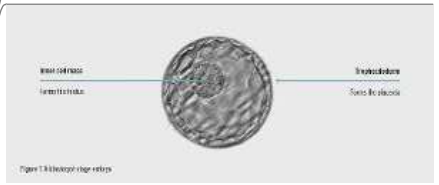


FORMED AS A RESULT OF SUPERFICIAL CLEAVAGE, IT IS SIMILAR TO COELOBLASTULA EXCEPT THAT THE BLASTOCOEL IS FILLED WITH YOLK.

BLASTOCYST

CYST WITH TWO LAYERS; OUTER OF TROPHOBLAST AND INNER OF EMBRYONAL KNOB/ INNER MASS

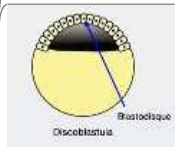
HUMANS



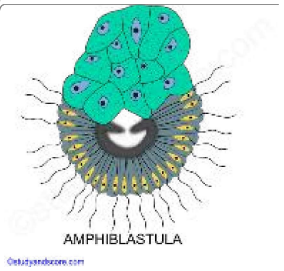
DISCOBLASTULA

FLOOR OF BLASTOCOEL FORMED OF YOLK SAC, WHILE ROOF IS FORMED OF EPIBLAST

BIRDS/ANDREPTILES



AMPHIBLASTULA

TWO TYPES OF STRUCTURALLY DIFFERENT BLASTOMERES

SYCON: Anterior half is formed of flagellated cells while the posterior half is formed of large rounded granular cells or in amphibians where the two types of cells are micromeres and macromeres.